

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 May 2002 (16.05.2002)

PCT

(10) International Publication Number
WO 02/038846 A3

(51) International Patent Classification⁷: D04H 1/46, 3/10,
13/00, A47L 13/16, D04H 5/02, A47K 10/32

(21) International Application Number: PCT/US01/46781

(22) International Filing Date:
7 November 2001 (07.11.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/247,302 10 November 2000 (10.11.2000) US

(71) Applicant: KIMBERLY-CLARK WORLDWIDE,
INC. [US/US]; 401 N. Lake Street, Neenah, WI 54956
(US).

(72) Inventors: PALACIO, Gustavo; Carrera 38 No. 11-19,
Edificio Casaclara, Apto. 701, Barrio Poblado Medellin
(CO). GARCIA, Maria, Clara; Calle 38 64A-39, Barrio
Conquistadores, Medellin (CO). JONES, Priscilla, M.;
912 Bishop Park Court, Apt. 1125, Winter Park, FL 32792
(US). RADWANSKI, Fred, Robert; 362 Nalley Drive,
Stone Mountain, GA 30087 (US). RAMIREZ, Pablo;
Calle 9A Sur 25-33, Bosques de Madera, Apto. 208, Bar-
rio Poblado Medellin (CO). SKERRETT, John, Richard;
10745 Centennial Drive, Alpharetta, GA 30022 (US).
SKOOG, Henry; 3920 Orange Wood Drive, Marietta,
GA 30062-4128 (US). VANEGAS, Bernardo; Calle 20
19A-27, Municipio Barbosa Antioquia (CO).

(74) Agents: TULLEY, Douglas, H., Jr. et al.; KIM-
BERLY-CLARK WORLDWIDE, INC., 401 N. Lake
Street, Neenah, WI 54956 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted
a patent (Rule 4.17(ii)) for the following designations AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI,
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KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD,
SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,
YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ,
SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,
SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG)
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii)) for all designations

Published:

- with international search report

(88) Date of publication of the international search report:
31 October 2002

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: HYDROENTANGLED NONWOVEN COMPOSITE STRUCTURES CONTAINING RECYCLED SYNTHETIC FI-
BROUS MATERIALS

(57) Abstract: A hydraulically entangled nonwoven composite structure that includes a matrix of substantially continuous filaments; and recycled synthetic fibers and fiber-like materials having at least one thread element composed of synthetic material with at least one irregular distortion generated by hydraulic fracture of the thread element to separate it from a bonded fibrous material while the bonded fibrous material is suspended in a liquid. This nonwoven composite structure may be used as a wiper or an absorbent material. A method of forming the nonwoven composite structure includes the steps of: (a) providing a layer of recycled synthetic fibers and fiber-like materials having at least one thread element composed of synthetic material containing at least one irregular distortion generated by hydraulic fracture of the thread element to separate it from a bonded fibrous material while the bonded fibrous material is suspended in a liquid; (b) superposing the layer of recycled fibers and fiber-like materials over a layer of substantially continuous filaments; (c) hydraulically entangling the layers to form a nonwoven web; and (d) drying the web.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/46781

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 D04H1/46 D04H3/10 D04H13/00 A47L13/16 D04H5/02
A47K10/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D04H A47L A47K D21H C08J B32B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	EP 0 560 556 A (OJI PAPER CO) 15 September 1993 (1993-09-15) the whole document	1-20
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A	EP 0 492 554 A (KIMBERLY CLARK CO) 1 July 1992 (1992-07-01) the whole document	1-20



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

23 July 2002

Date of mailing of the international search report

30/07/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Barathe, R

INTERNATIONAL SEARCH REPORT

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